

IN THE CLAIMS

Please cancel claims 1-20 without prejudice or disclaimer, and add new claims 22-27.

All pending claims and their present status are produced below.

1-20. (Cancelled)

21. (Original) A method for correlating request packets and reply packets during network analysis, comprising:

- (a) reading a packet from a capture file;
- (b) identifying a key associated with at least one layer of the packet that resides above a data link control layer;
- (c) determining whether the packet is a request packet or a reply packet;
- (d) if the packet includes a request packet:
 - (i) storing data associated with the request packet in a hash table utilizing the key as an index into the hash table, and
 - (ii) decoding the request packet;
- (e) if the packet includes a reply packet;
 - (i) determining whether the reply packet includes the key,
 - (ii) if the reply packet includes the key, retrieving the data associated with the request packet from the hash table utilizing the key,
 - (iii) correlating the reply packet with the request packet associated with the data, and
 - (iv) decoding the reply packet;
- (f) determining whether another packet exists in the capture file; and
- (g) repeating (a)-(f) if it is determined that another packet exists in the capture file.

22. (New) A computer-implemented method for correlating request packets and reply packets during network analysis, comprising:

- (a) identifying a key associated with at least one layer of a packet that resides above a data link control layer;
- (b) responsive to the packet including a request packet:
 - (i) storing data associated with the request packet utilizing the key as an index corresponding to the stored data, and
 - (ii) decoding the request packet; and
- (c) responsive to the packet including a reply packet:
 - (i) if the reply packet includes the key, retrieving the data associated with the request packet utilizing the key as the index corresponding to the data,
 - (ii) correlating the reply packet with the request packet associated with the data, and
 - (iii) decoding the reply packet using at least in part the retrieved data associated with the request packet.

23. (New) The computer-implemented method as recited in claim 22, wherein the key includes information at a remote procedure call layer.

24. (New) The computer-implemented method as recited in claim 23, wherein the information is included in an XID field.

25. (New) The computer-implemented method as recited in claim 22, wherein storing data associated with the request packet comprises storing the data in a hash table using the key as an index into the hash table.

26. (New) The computer-implemented method as recited in claim 22, wherein the packet is read from a capture file.

27. (New) The computer-implemented method as recited in claim 22, wherein the packet is collected in real time.